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34v



REPORT

of the

Local Board of Health



THE CITY OF EDMONTON
ALBERTA

1954

RCB/34v



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Mr. J. D. A. MacDonald, City Engineer

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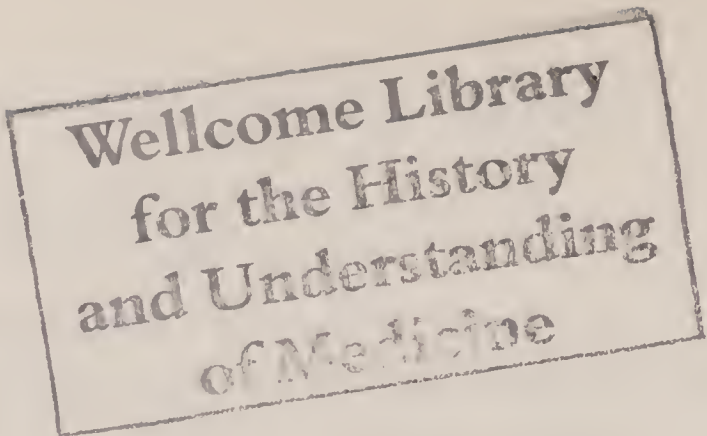
Dr. G. M. Little, M.O.H.

Mr. J. D. A. MacDonald, City Engineer

Catharine Rose, Secretary

STAFF

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Asst. Medical Officer of Health.....	G. H. Ball, M.B., Ch.B., D.P.H.
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Milk and Dairy Supervisor.....	Meredith, R. B., C.S.I. (C)
Chief Food Inspector.....	Pennifold, K., V.S.
Secretary, Board of Health.....	Rose, Miss C. R.



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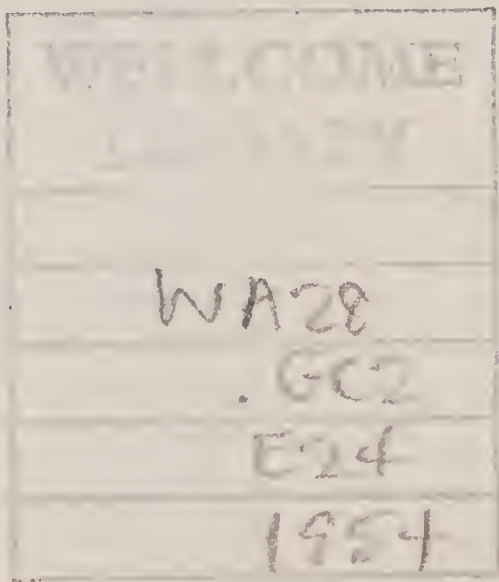
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Annual Report of the Medical Officer of Health

Chairman and Members
Local Board of Health,
Edmonton, Alberta

Ladies and Gentlemen:

Following is a report of the activities of our Board and certain other health agencies of our city during 1954:

Births:

There were 7,091 births recorded, giving an increased rate of 35.2 per 1,000 population. Of these, 36.9% were first-born children. Compared to 1953, population increased 7.8%, births 11.2%, but marriages were reduced by a single marriage.

Deaths:

The general death-rate again showed a small decrease. The rate from heart disease gave a comforting reduction, but that from cancer showed little change. The death-rate of 4.5 per 100M population from tuberculosis is a marked continuing decrease in deaths from this disease. Unfortunately, the occurrence of new cases of tuberculosis remains at about the same rate as in recent years. We must increase our efforts in prevention of this infection.

Fourteen of our 32 citizens dying from auto accidents were killed within the city itself. This compares with 20 killed in the city during 1953. In the light of an increasing traffic, it would appear that our traffic control officers are making headway with this difficult problem.

A further lowering of deaths under one year of age gave an infant mortality rate of 20.1 per 1,000 live births, which is an all time low for our city.

No city mother died from childbirth during the year.

Communicable Disease:

Communicable diseases were at the lowest incidence in years. This was largely due, however, to the fact that we were at the lowest point on the cycle of both measles and rubella. Poliomyelitis gave 75 cases and 5 deaths, compared to 322 cases and 16 deaths in 1953. During the year 2,245 school children took part in the field trial of poliomyelitis vaccine.

The steady elimination of whooping cough has been a very satisfying occurrence.

Attendance at our immunization clinics increased by 7,203 to a total of 30,335.

Child Health Services:

Attendance at our clinics for medical and nursing supervision of babies and pre-school children increased by 3,180 to a total of 20,791.

An increase of 4,007 in our school population during the year necessitated the addition of two nurses to the school medical services. Our school nurses greatly increased their visits to homes to discuss child health problems with parents. They have also taken an increasingly active part in communicable disease control.

An additional school dental clinic was established in our South Side Health Clinic during the year.

We believe that our school medical services are developing along the most effective lines possible.

Sanitation:

Except for the apparently inevitable residue of debris left when our winter snow disappears, we are becoming, generally speaking, a clean city. There are still, however, a few delinquent citizens who have still to learn the elements of municipal housekeeping.

Our restaurants, grocery stores and other food-handling establishments are making a commendable effort to provide citizens with a safe and sanitary service. Our staff of sanitary inspectors has done much to bring this about by their friendly advice and co-operation. Substandard housing continues to present a major problem.

Our milk supply continues to meet a high standard of safety and food value. The milk is checked on the 493 dairy farms, in city milk plants and delivery wagons. More than 11,000 samples were tested for quality and purity.

The food processing in a third local abattoir came under the inspection of our staff veterinarian during the year.

General:

The continued valuable service rendered to our citizens by the Victorian Order of Nurses commands our admiration.

The continuing and rather overwhelming volume of dental caries amongst our citizens leads one to hope that fluoridation of our city water supply, advocated by our Board and supported by the major dental, medical and other scientific groups of our continent, may be permitted without delay.

The excellent co-operation of the Provincial Laboratory and other provincial services have added much to the effectiveness of our endeavors.

The Edmonton and District Dental Association have continued to give us invaluable advice and support in planning our dental services.

The Provincial and Federal Governments have, through health grants, permitted us to expand and improve health services to our citizens.

We acknowledge these gratefully.

Finally, I would say that the Board's thoughtful consideration of those problems which confront our staff members has done much to promote an effective service to the people of our city.

Respectfully submitted,

G. M. LITTLE,
Medical Health Officer

SUMMARY OF STATISTICS

Area of City—43.22 sq. miles

	1954	1953	1952	1951	1950
Population	197,836	183,411	169,196	158,912	148,861
Persons per acre of land	7.0	6.8	6.3	5.9	5.4
Cost per capita.....	1.09	1.11	.88	.55	.51
School enrolment	35,585	31,578	28,094	24,904	23,306
Natural increase of population	5,730	5,077	4,482	3,922	3,481
Births					
Total births	10,061	9,194	8,309	7,459	6,813
Resident births only	7,091	6,377	5,748	5,055	4,622
Resident rate per 1,000 population.....	35.2	34.7	33.3	31.1	31.3
Stillbirths					
Total stillbirths	127	150	141	115	82
Resident stillbirths only	84	95	97	79	59
Resident stillbirths rate per 1,000 living births	11.8	14.8	16.8	15.5	12.8
Deaths					
Total deaths	1,994	1,954	2,064	1,682	1,694
Resident deaths only	1,361	1,300	1,266	1,133	1,141
Resident rate per 1,000 population.....	6.9	7.0	7.4	7.1	7.6
Infant Mortality					
Total deaths under 1 year of age.....	223	218	228	183	196
Resident deaths under 1 year of age.....	143	145	154	117	118
Resident rate per 1,000 living births.....	20.1	22.7	26.9	23.1	25.5
Maternal Mortality					
Maternal deaths (city only)	0	2	0	1	1
Rate per 1,000 living births.....	0	.31	0	.19	.21
Marriages					
Marriages	2,996	2,997	2,818	2,722	2,649
Rate per 1,000 population	15.1	16.3	16.6	17.7	17.2

VITAL STATISTICS

	1954	1953	1952	1951	1950
Births					
Total Births	10,061	9,194	8,309	7,459	6,813
Resident Births only	7,091	6,377	5,748	5,055	4,622
Male	3,664	3,288	3,023	2,581	2,357
Female	3,427	3,089	2,725	2,474	2,265
Double Births					
(residents only)	66	61	51	52	43
Triple Births					
(residents only)	1	—	2	—	—
Resident					
Illegitimate Births	312	284	211	198	196
Total Illegitimate Births....	505	477	386	394	390
Born in Institutions					
(Residents)	7,088	6,375	5,744	5,051	4,621
Maternal Parentage:					
Canada	5,709	5,321	4,860	4,475	4,156
British Isles	399	328	325	223	209
Europe and Asia	827	581	424	250	155
U.S.A.	121	126	121	92	68
Other Countries	35	21	17	15	4

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH 1954

	-20	20-24	25-29	30-34	35-39	40-44	Over 45	Number	%
Ist Child	408	1,240	671	216	72	10	—	2,617	36.9
2nd Child	65	736	755	354	130	22	—	2,062	29.1
3rd Child	7	242	508	376	161	37	—	1,331	18.79
4th Child	—	42	210	205	111	24	2	594	8.36
5th Child	—	10	75	106	56	15	—	262	3.7
6th Child	—	5	21	46	51	10	1	134	1.9
7th Child	—	—	5	17	13	10	1	46	.64
8th Child	—	—	1	4	15	6	—	26	.35
9th Child	—	—	—	1	6	2	—	9	.12
10th Child and over	—	—	—	1	6	2	1	10	.14
Total	430	2,275	2,246	1,326	621	138	5	7,091	100.00

Stillbirths	1954	1953	1952	1951	1950
Total stillbirths	127	157	141	115	82
Resident stillbirths only	84	100	97	79	59
Male	40	61	37	35	21
Female	44	39	60	44	38
Born in Institutions	84	100	97	79	59
Cause of Foetal Deaths:					
Dystocia	37	46	42	28	21
Prematurity	6	7	7	5	5
Toxaemia of pregnancy	3	8	4	4	6
Syphilis	—	—	—	2	1
Malformation	9	19	17	—	10
Placenta and Membranes	14	5	13	10	5
Traumatism, overwork	—	—	—	1	1
Other conditions	15	15	15	29	10

Deaths	1954	1953	1952	1951	1950
Total deaths	1,994	1,954	2,064	1,682	1,694
Resident deaths only	1,361	1,300	1,266	1,133	1,141
Male	862	813	793	675	695
Female	499	487	473	458	446
Resident rate per 1,000 population....	6.9	7.0	7.4	7.1	7.6
Racial Origin:					
Canada	515	460	441	481	384
British Isles	426	410	398	361	381
Europe and Asia	289	271	271	210	224
U.S.A.	71	86	75	73	64
Others	60	73	81	108	88

Infant Mortality	1954	1953	1952	1951	1950
Total deaths under 1 year	223	218	228	183	196
Resident deaths under 1 year	143	145	154	117	118
Male	80	82	93	72	66
Female	63	63	61	45	52
Legitimate	133	131	140	100	114
Infant mortality rate per 1,000 living births	20.1	22.7	26.9	23.1	25.5

INFANT MORTALITY—1954

	SEX		BY MONTH												BY AGE											
	TOTAL	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Total Under 1 Month	1-3 Months	4-6 Months	7-9 Months	10-12 Months	
053 Septicaemia and Pyaemia	2	2	1	1	2
274 Disease of Adrenal glands	2	1	1	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	1	...
325.4 Mental deficiency.....	2	1	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...
334 Other and Ill-defined vascular lesions affecting central nervous system	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
340.3 Meningitis, unspecified	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
391 Otitis media without mention of mastoiditis	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
434 Other and unspecified diseases of heart..	2	2	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	...	...	1	1	...	...	...
474 Acute laryngitis and tracheitis	2	1	1	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	...
490 Lobar pneumonia	2	2	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	1	...	...
491 Broncho pneumonia	3	2	1	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...
492 Primary atypical pneumonia	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
493 Pneumonia, other and unspecified	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...
500 Acute bronchitis	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
521 Abscess of lung	3	1	2	...	...	1	...	...	1	...	...	1	...	...	...	...	1	...	...	...	1	1	1	...	...
522 Pulmonary congestion and hypostasis	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...
571 Gastro-enteritis, colitis, except ulcerative, over 4 weeks	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
587 Diseases of pancreas	3	3	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1
590 Acute nephritis	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	...
692 Other cellulitis and abscess without lymphangitis	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...
750 Monstrosity	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...
751 Spina bifida and meningocele	4	1	3	1	...	...	1	...	2	...	1	...	...	...	...	1	...	...	...	...	1	3	...	1	...
752 Congenital hydrocephalus	4	1	3	...	1	...	1	...	...	...	...	...	...	1	1	1	...	...	...	...	1	2	1	...	...
753 Other Congenital Malformations of nervous system	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
754 Congenital Malformation of circulatory system.....	12	6	6	...	...	1	1	1	1	3	3	...	...	2	...	...	3	1	1	...	5	3	1	3	...
755 Cleft palate and harelip	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
756 Congenital Malformations of digestive system.....	3	2	1	...	...	...	1	...	...	...	...	1	...	1	...	1	1	...	...	1	3	...	...	...	...

757	Congenital malformations genito-urinary system	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
759	Other and unspecified congenital malformations	2	...	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
760	Intracranial and spinal injury at birth ..	7	4	3	1	...	...	...	1	1	...	...	2	5	...	...	...	...	...	...	...	...	...	...	...
761	Other birth injury.....	7	6	1	1	2	1	1	...	...	...	...	6	1	...	...	...	...	...	...	...	...	...	...	...
762	Postnatal asphyxia and atelectasis.....	20	10	10	2	1	4	...	1	2	1	...	4	5	14	4	2	...	...	...	...	...	...	...	...
763	Pneumonia of newborn	3	...	3	...	1	...	...	1	...	...	1	...	...	...	2	1	3	...	...	...	...	...	...	...
768	Other sepsis of newborn	1	1	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
770	Haemolytic disease of newborn	3	2	1	...	...	...	...	...	...	1	...	2	1	1	...	...	2	1	...	...	...	...	...	...
773	Ill-defined diseases peculiar to early infancy	2	2	...	...	...	1	...	...	1	...	...	...	...	1	...	...	1	1	...	...	...	...	...	...
774	Immaturity with mention of any other condition	3	3	...	...	...	...	1	...	...	...	...	1	2	1	...	...	3	...	...	...	...	...	...	...
776	Immaturity unqualified	32	19	13	2	3	4	2	3	2	4	4	2	1	2	3	23	8	...	1	...	...	...	...	...
785	Symptoms referable to lower gastro-intestinal system	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
795	Ill-defined, and unknown causes	1	...	1	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	...	...	...	...
921	Inhalation, ingestion of food causing suffocation	2	1	1	...	...	1	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	...	...	...
924	Accidental suffocation in bed and cradle ..	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...
TOTAL		143	80	63	10	15	16	12	10	8	16	13	7	2	16	18	58	28	4	4	4	98	30	6	1

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1954

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1954																										Non-
	Resident		Under 1		1-4		5-14		15-19		20-29		30-39		40-49		50-59		60-69		70-79		80-over		res	
	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
1. Tuberculosis of respiratory system.....	7	6	1	2	...	1	2	...	1	1	5	
2. Tuberculosis, all other forms.....	2	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	4
3. Syphilis and sequelae.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
4. Typhoid fever.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
7. Scarlet Fever, Streptococcal sore throat.....	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Diphtheria.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
10. Meningococcal infections.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
12. Acute Poliomyelitis.....	5	2	3	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	12
17. All other diseases, infective and parasitic.....	5	4	1	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	6
18. Malignant neoplasms.....	235	131	104	...	...	...	...	...	...	...	5	5	...	2	5	8	7	22	10	39	29	40	34	12
19. Benign and unspecified neoplasms.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	143
20. Diabetes mellitus.....	17	8	9	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	2	...	...	2	1	7
21. Anaemias.....	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	1	2
22. Vascular lesions affecting central nervous system.....	160	84	76	...	...	...	...	...	...	...	...	...	2	2	7	2	...	5	8	16	11	39	36	15
23. Nonmeningococcal meningitis.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16
24. Rheumatic fever.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	61
25. Chronic rheumatic heart disease.....	16	8	8	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	...	2
26. Arteriosclerotic, degenerative heart disease.....	324	229	95	...	...	...	...	...	...	...	...	...	2	1	17	5	...	34	6	67	23	69	34	40
27. Other diseases of heart.....	27	20	7	1	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	3	...	6	2	7
28. Hypertension with heart disease.....	40	22	18	1	...	...	...	...	...	...	...	...	...	...	...	...	1	2	4	1	12	8	4	7
29. Hypertension without mention of heart disease.....	9	7	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	2	2	...	2
30. Influenza.....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
31. Pneumonia.....	45	29	16	5	2	...	...	...	...	1	...	...	1	1	...	...	...	2	...	2	1	11	3	6
32. Bronchitis.....	3	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
33. Ulcer of stomach and duodenum.....	8	5	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	1	...	...	...	...
34. Appendicitis.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	1	...	1
35. Intestinal obstruction and hernia.....	6	6	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36. Gastritis, duodenitis, enteritis, colitis, except diarrhoea of newborn.....	8	5	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
37. Cirrhosis of liver.....	11	8	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	1	...	2	...	1
38. Nephritis and nephrosis.....	14	7	7	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	5	1	1	1	1	...
39. Hyperplasia of prostate.....	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	2	...	1	5
40. Complications of pregnancy, childbirth.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	2	...	...	6
41. Congenital malformations.....	31	11	20	10	19	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
42. Birth injuries, postnatal asphyxia, atelectasis.....	34	21	13	21	13	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	20
43. Infections of newborn.....	4	1	3	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
44. Other diseases peculiar to early infancy, immaturity unqualified.....	40	26	14	26	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
45. Senility, without mention of psychosis ill-defined, unknown causes.....	38	32	6	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
46. All other diseases.....	146	92	54	10	5	...	...	...	...	...	...	...	1	1	3	...	...	4	...	3	1	10	1	10
47. Motor vehicle accidents.....	32	24	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21	10	21	16	16	2
48. All other accidents.....	55	45	10	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...
49. Suicide and self-inflicted injury.....	17	12	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	6	4
TOTALS	1361	862	499	80	63	13	6	9	15	4	31	11	29	23	65	22	94	38	181	87	229	145	128	97		
	143		19		15		42		87		132		268		374		225									

PRINCIPAL CAUSES OF DEATH, 1954

		Total	Male	Female	% of Total Deaths	Rate per 100M Population
420-434	Diseases of the heart.....	351	249	102	25.8	177.4
140-205	Malignant neoplasm.....	235	131	104	17.2	118.8
330-334	Vascular lesions affecting central nervous system.....	160	84	76	11.7	80.9
750-776	Diseases of early infancy.....	109	59	50	8.0	55.1
800-999	External causes.....	104	81	23	7.6	53.5
440-447	Hypertension.....	49	29	20	3.6	24.7
490-493	Pneumonia.....	45	29	16	3.3	22.7
780-795	Senility without psychosis, etc.....	38	32	6	2.8	19.3
260	Diabetes Mellitus.....	17	8	9	1.2	8.7
590-594	Nephritis and Nephrosis.....	14	7	7	1.0	7.0
	All other diseases.....	239	153	86		
TOTALS		1361	862	499		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1954	1361	351	25.8	177.4
1953	1300	353	26.9	191.7
1952	1266	320	23.7	189.1
1951	1133	280	24.7	176.2
1950	1141	291	25.5	195.4

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1954	1361	235	17.2	118.8
1953	1300	212	16.3	114.5
1952	1266	213	17.7	125.8
1951	1133	191	16.0	120.2
1950	1141	203	17.7	136.4

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1954	1361	160	11.7	80.9
1953	1300	128	9.9	69.5
1952	1266	110	8.7	59.1
1951	1133	126	10.2	79.3
1950	1141	124	10.7	84.2

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1954	1361	9	.66	4.5
1953	1300	13	1.0	7.0
1952	1266	13	1.02	7.6
1951	1133	13	1.1	8.1
1950	1141	22	1.9	14.9

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1954	1361	45	3.3	22.7
1953	1300	50	3.8	27.7
1952	1266	41	3.2	24.2
1951	1133	42	3.7	26.4
1950	1141	39	3.4	26.0

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	All Other Accidents	Percentage of Deaths	Rate Per 100M Population
1954	1361	104	81	23	17	....	32	55	7.6	53.5
1953	1300	112	85	27	13	4	42	53	8.6	60.8
1952	1266	107	79	28	13	1	41	52	8.4	57.3
1951	1133	91	65	26	11	1	32	47	7.1	57.3
1950	1141	98	71	27	14	5	29	50	8.5	65.8

IMMUNIZATION CLINIC

	1954	1953	1952	1951	1950
No. of persons receiving 1st doses	13,216	10,405	8,969	8,688	9,235
No. persons receiving re-inforcing doses	3,858	2,981	2,598	2,731	2,847
Total procedures	69,639	50,417	42,808	41,185	36,216
Total attendance	30,335	23,132	19,928	19,770	21,624
Phone Calls	4,854	3,235	2,397	.....	.....
Out-of-town persons attending clinics	999	769	627	.....	.....
Student days	171	164	231	.....	.....
Clinics held:					
Main clinic—clinics held	250	250	249	248	250
Average attendance	82	76	80	80	86
South Side Clinic—clinics held	250	162	.....	.....	.....
Average attendance	40	25	.....	.....	.....

IMMUNIZATION RECORD, 1954

	Immunization Clinics	School Health Services	Private Physicians
Diphtheria			
1st dose	4,569	1,848	131
Re-inforcing doses	3,656	7,180	
Total doses	20,577	11,863	
Whooping Cough			
1st dose	4,442	346	93
Re-inforcing doses	3,461	263	
Total doses	19,816	966	
Tetanus			
1st dose	4,917	346	80
Re-inforcing doses	2,770	263	
Total doses	20,455	966	
Scarlet Fever			
1st dose	120		
Re-inforcing doses	153		
Total doses	713		
Typhoid			
1st dose	160		3
Re-inforcing doses	33		
Total doses	477		
Smallpox			
Smallpox vaccinations	4,130	6,420	991
Poliomyelitis (Salk Vaccine)			
1st dose	—	2,245	
Total doses	—	6,461	
Cholera			
1st dose	9		
Total doses	16		
Typhus			
1st dose	7		
Total doses	12		
Others			
1st dose	2		
Total doses	2		
Measles Serum	157		
Dick Test	43		
Schick Test	77		

COMMUNICABLE DISEASES, 1954 - 1950

	1954		1953		1952		1951		1950	
	C	D	C	D	C	D	C	D	C	D
Diphtheria.....	3	....	1	1	1	....	1	....	1	...
Diphtheria carriers.....	....	....	....	....	....	....	...	....	2	...
Dysentery.....	....	....	....	....	1	....	2	....	1	....
Encephalitis .....	....	....	1	....	2	2	1	....	5	2
Food Poisoning .....	....	....	....	....	3	....	4	....	5	....
Measles.....	219	....	4088	1	484	....	3114	....	465	....
Paratyphoid .....	....	....	2	...	1	....	....	....	....	....
Poliomyelitis	75	5	322	16	95	7	9	7	38	2
Rubella	132	....	2019	....	397	....	180	....	2604	....
Scarlet Fever and Streptococcal Sore Throat	210	1	651	1	1470	....	523	....	528	2
Trachoma .....	....	....	....	....	....	....	....	....	....	....
Tuberculosis (Pulmonary)	125	7	112	13	139	9	91	13	114	19
Tuberculosis (Other Forms)	21	2	25	....	20	4	31	....	23	3
Typhoid Fever	1	1	....	....	....	....	1	....	....	....
Typhoid carriers	1	....	....	....	....	....	....	....	....	....
Whooping Cough	181	....	269	....	197	1	345	....	30	....
Venereal Disease:										
Gonorrhoea	1160	....	1043	....	1053	....	757	....	824	....
Syphilis	92	2	48	....	48	2	63	2	43	5
TOTALS	2222	18	8581	32	3915	25	5138	15	4596	33
Morbidity per 1000 population—	11.3		62.9		23.1		33.0		23.4	
C--Cases D--Deaths										

Communicable disease was responsible for 18 or 1.3% of the 1,361 City deaths during 1954.

Of the above deaths 15 were over the age of 20 years. 7 deaths were due to Pulmonary Tuberculosis and 2 from other forms of Tuberculosis. Five deaths were caused by Poliomyelitis.

Venereal diseases accounted for 1,254 or 56% of the communicable diseases reported in 1954. Measles—219 cases or 9.8%; Scarlet Fever—197 or 8.8%; Whooping Cough—181 or 8.1%; Poliomyelitis—75 or 3.4%.

COMMUNICABLE DISEASE BY SEASON AND SEX, 1954

	Total	Male	Female	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Non-Resi- dent
Diphtheria.....	3	1	2	....	....	....	....	....	2	....	....	....	....	1	....	7
Diphtheria carriers.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Measles.....	219	108	111	4	13	8	14	21	19	6	8	3	3	14	106	1
Poliomyelitis.....	75	31	44	9	2	3	2	1	2	4	16	16	11	7	2	109
Rubella.....	132	61	71	25	17	14	8	14	10	7	10	6	4	4	13	....
Scarlet Fever, Streptococcal Sore Throat.....	210	90	120	31	28	32	19	21	9	9	1	7	6	20	27	6
Tuberculosis (Pulmonary).....	125	57	68	10	6	13	13	16	18	8	8	4	12	9	8	12
Tuberculosis (other forms).....	21	12	9	....	1	....	1	3	3	1	3	3	2	1	3	....
Typhoid.....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	1
Typhoid Fever carriers.....	1	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....
Whooping Cough.....	181	85	96	9	10	8	16	5	9	8	14	22	34	27	19	17
Venereal Disease:																
Gonorrhoea.....	1160	647	513	106	65	91	100	94	89	69	141	106	84	102	113	....
Syphilis.....	94	56	38	2	1	6	3	9	5	8	7	34	8	8	3	....
TOTAL.....	2222	1149	1073	196	143	177	176	184	166	120	208	201	164	193	294	154
DEATHS:																
Poliomyelitis.....	5	2	3	1	2	....	....	1	....	1	....	....	....	....	....	....
Streptococcal sore throat.....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis.....	2	2	....	....	....	....	....	1	1	....	....	....	....	....	....	....
Tuberculosis (pulm.).....	7	6	1	....	1	3	1	....	1	....	....	....	....	....	1	....
Tuberculosis (other forms).....	2	....	2	....	....	1	....	....	....	....	....	1	....	....	....	....
Typhoid.....	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....
TOTAL.....	18	11	7	2	3	5	1	2	2	1	....	1	....	....	1	....

COMMUNICABLE DISEASE BY AGE, 1954

	City Cases	Male	Female	Under 1	1 / 4	5 / 14	15 / 19	Over 20	Not stated	Non- resi- dents
Diphtheria.....	3	1	2	....	2	....	....	1	....	7
Diphtheria carriers.....	....	....	....	....	....	....	....	....	....	1
Measles.....	219	108	111	22	84	102	3	7	1	1
Poliomyelitis.....	75	31	44	4	17	28	6	20	....	109
Rubella.....	132	61	71	7	48	58	5	13	1	....
Scarlet Fever, Streptococcal Sore Throat.....	210	90	120	3	100	92	5	10	....	6
Tuberculosis (Pulmonary).....	125	57	68	....	7	2	12	10	3	12
Tuberculosis (other forms).....	21	12	9	1	2	2	....	16	....	....
Typhoid.....	1	....	1	....	....	....	....	1	....	1
Typhoid carriers.....	1	1	....	....	....	....	....	1	....	....
Whooping cough.....	181	85	96	35	66	76	1	3	....	17
Venereal Disease:										
Gonorrhoea.....	1160	647	513	....	....	1	155	996	8	....
Syphilis.....	94	56	38	....	....	....	7	87	....	....
TOTAL.....	2222	1149	1073	72	326	361	194	1256	13	154
DEATHS										
Poliomyelitis.....	5	2	3	....	....	1	1	3	....	....
Streptococcal sore throat.....	1	1	....	....	....	....	....	1	....	....
Syphilis.....	2	2	....	....	....	....	....	2	....	....
Tuberculosis (Pulm.).....	7	6	1	....	....	....	....	7	....	....
Tuberculosis (other forms).....	2	....	2	....	....	....	1	1	....	....
Typhoid.....	1	....	1	....	....	....	....	1	....	....
TOTAL.....	18	11	7	....	....	1	2	15	....	....

SCHOOL HEALTH SERVICES

In the fall of 1954, the School Health Services were extended to an additional six elementary schools which were previously without any service. Comprehensive coverage of elementary schools in the city was thereby achieved.

The total school population receiving service increased by 4,007 pupils. Consequent to this the school nursing staff was increased by two full-time nurses.

The general standard of health of our school children continues to be satisfactory, although in the correction of defects, more personal financial difficulties are being encountered.

Sixty-three children with defective vision were examined by eye specialists, and supplied with glasses at city expense.

Many school children took part in the Field Trial of the Salk vaccine for the prevention of Poliomyelitis. Six thousand five hundred and eighty-one inoculations were given. In the United States and Canada, a total of approximately 500,000 children received this treatment. The final results of this Trial are not yet available. However, there is considerable reason for hoping that a satisfactory preventive measure to forestall this disease is within reach.

Three cases of Diphtheria occurred in the city during the year. Two of these were children. In view of the effectiveness of Diphtheria toxoid and the adequate facilities for immunization, such cases are unnecessary. Children who are satisfactorily immunized do not contract Diphtheria.

Dental caries continues a serious problem. Nineteen thousand, five hundred and ninety-two pupils with defective teeth were found during the year. The need for that universal preventive procedure known as fluoridation cannot be doubted.

The School Dental Services were extended by the opening of a new, modern, fully-equipped Dental Clinic in the basement of the Health Department building at 104th Street and 83rd Avenue. A half-time dental officer and a dental assistant were taken on staff for this clinic. In the two clinics presently functioning, eight hundred and seventy-three dental operations were performed. One hundred and seventy-seven children were given complete dental repair.

Examinations by Medical Officers:

Complete periodic examinations	12,057
Examinations on special referral	936
Re-examinations	187
Partial examinations	268
Total number of examinations	13,448
*Number of pupils with defects	5,585
Parents invited to examinations	9,146
Parents present at examinations	5,386
Pupils referred to physicians	921
Pupils referred to dentists	1,007

*Excluding teeth)

Examinations by Nurses:

Periodic examinations	13,625
Examinations on special referral	17,012
Re-examinations	4,757
Partial examinations	78,310
Total number of examinations	113,704
Number of pupils with defects	19,445
Pupils referred to physicians	1,868
Pupils referred to dentists	1,475

School Nursing Services

Home visits	4,381
Consultations with physicians	185
Consultations with teachers	8,497
Consultations with parents	3,837
Consultations with others.....	1,016
Pupils given first aid	9,466
Lectures and Talks	871
Student days	91

Dental Services

Dental hygiene lectures and talks	315
Prophylactic treatments given	87
Number of operations	873
Number of cases completed	177

Dental Survey

Number of schools visited	90
Number of children examined	18,023
Number of children with defective teeth	14,603
Number of children without defective teeth.....	3,420

ISOLATION HOSPITAL, 1954

Four hundred and thirty-eight patients were admitted to the Isolation hospital during 1954. There were 15 deaths.

Admissions to hospital:

Scarlet Fever	29	Measles	10
Diphtheria	9	Whooping cough	45
Diphtheria Carriers	1	Meningitis (Meningococcic)	19
Poliomyelitis	161	Mumps	57
Streptococcic sore throat	5	Chickenpox	12
Typhoid Fever	1	Others	89

DEATHS:

Diphtheria	1
Poliomyelitis	10
Meningitis	2
Typhoid fever	1
Erysipelas	1
(Outside cases included in above)	

TUBERCULOSIS CONTROL

	1954	1953	1952	1951	1950
Cases—Pulmonary Tuberculosis.....	125	112	139	91	114
All other forms of T.B.....	21	25	20	31	23
*Rates—Pulmonary Tuberculosis.....	63.1	51.4	77.4	57.0	70.0
All other forms of T.B.....	10.6	13.6	12.2	.....	8.1
Deaths—Pulmonary Tuberculosis.....	7	13	9	13	19
All other forms of T.B.....	2	.....	4	.....	3
Non-resident Pulmonary Tuberculosis.....	12	9	10	8	.....
Non-resident, all other forms of T.B.....	.....	.....	2	3	2
Mobile X-ray Clinic.....	.....	.....	101,965	9,902	.....

*Rate per 100,000 population

Kinsmen's Club Service

Total visits by Nurse	3,476	3,913	5,200	4,739	2,007
Visits to T.B. cases	792	933	1,060	140	693
Visits to contact cases	1,574	1,474	2,552	1,786	1,063
Observation visits	1,110	298	296	315	251
Tuberculin tests in homes, etc.	1,363	580	943	423	.....

WELL BABY AND PRE-SCHOOL CLINICS, 1954 - 1950

	1954	1953	1952	1951	1950
Total attendance	20,791	17,611	14,851	14,453	15,322
Under 1 year.....	15,019	12,906	10,931	10,408	10,954
1 to 6 years	5,772	4,705	3,920	4,045	4,368
Out-of-town	1,521	1,442	1,089	1,232	886
Number of Clinics held:					
Main Clinics held	250	250	250	249	250
Average attendance	54	57	59	58	61
Av. monthly attendance....	1,132	1,179	1,238	1,205	1,277
South Side Clinics held.....	250	162	.....	.....	.....
Average daily attendance	29	21	.....	.....	.....
Av. Monthly attendance....	600	432	.....	.....	.....
Total new admissions	5,029	4,578	3,814	3,605	3,592
Under 1 year.....	3,391	3,518	3,066	2,842	2,869
1 to 6 years	1,098	1,060	748	763	723
Re-admissions	222	247	158	153	113
Discharged	3,682	3,752	3,741	3,406	3,338
Active charts transferred					
from Main Clinic	257	500	.....	.....	.....
Active charts transferred					
to Main Clinic	55	11	.....	.....	.....
Total remaining on roll	11,990	10,643	9,817	9,744	9,545
Home visits	2,147	2,517	2,216	1,992	2,564
Telephone calls	8,204	6,136	4,431	4,140	3,893
Correspondence	79	111	79	102	109
Number seen by doctor	847	823	605	552	929
Referred to family doctor.....	247	211	157	137	170
Number of student days	187	168	232	185	191

Physicians were in attendance at both clinics two afternoons each week to provide medical examination for children where this was indicated.

VICTORIAN ORDER OF NURSES

	1954	1953	1952	1951	1950
Prenatal.....	30	34	14	43	84
Post-natal	17	12	23	7	.....
Newborn care	230	285	273	322	559
Newborn instruction	1,486	1,630	2,690	1,369	1,474
Medical and surgical	12,402	10,416	8,031	7,608	5,616
Total visits	14,165	12,367	11,131	10,536	8,750
Pre-natal clinics	30	18	20	36	35
Average attendance	18	18	19	16	11

SANITATION

INSPECTIONS:

	1954	1953
Dwellings	234	294
Hotels, lodging houses, apartment blocks.....	605	558
Schools, blocks, public buildings	15	23
Stores, bakeshops, business establishments.....	2,723	2,997
Restaurants	3,006	3,310
Garbage cans, etc.....	225	301
Streets, lanes, yards, dumps, etc.	37	63
Miscellaneous (including barber shops, beauty parlors, auto courts)....	668	953
	7,513	8,499
Re-inspections	401	462

NOTICES:

Written	129	152
Verbal	2,670	2,700
Garbage	92	102

COMPLAINTS:

Received from public	420	574
Justified	375	520
Received from other departments	9	19
Referred to other departments	30	41
The complaints were made up as follows:		
Garbage, streets, lanes, etc.	133	133
Vermin	37	37
Housing, plumbing and drainage.....	152	217
Food and drink.....	38	46
Miscellaneous.....	60	141

LICENSES:

License applications investigated	3,402	3,220
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PLUMBING:

Sewer and water notices issued	20	39
Extension of time granted.....	4	2
Plumbing permits issued	3,957	3,086
Plumbing permits issued for old buildings	114	98
Alterations to existing plumbing (fixtures).....	1,654	1,582
Privies eliminated through installation of plumbing.....	114	98
Number of septic tanks installed	6	9

DISINFESTING STATION:

	1954	1953
Baths	4,857	4,694
Verminous		1
Scabies	12	11
Disinfested.....	12	12
Number of men washing clothes	3,928	4,340
Units washed	11,784	13,020

SCAVENGING CLEAN-UP WORK:

Refuse removed during Clean-Up Week (cubic yards) ..	17,500	18,350
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ANIMALS, BARNS, STYES:

Cow owners	77	93
Hog owners	25	33
Goat owners	4	8
Fur farm owners.....	16	26

FOOD:

Samples submitted to Provincial Laboratory	8	8
Foodstuffs condemned (pounds)	744	3,662

WATER:

Water samples taken	17	16
Negative	12	8
*Positive	5	8
Wells chlorinated	4	1
Wells condemned	1	3
*Wells condemned or further samples taken after chlorination.		

HOUSING:

Vermin, overcrowding and other insanitary conditions were checked in 234 dwellings and 605 hotels, lodging houses, apartment blocks, etc., and the necessary notices issued.

POISON GAS FUMIGATION:

Hydrocyanic acid gas eliminated vermin from 15 establishments.

ENFORCEMENT OF REGULATIONS:

Prosecutions.....	3	2
Number of Student Days	109	

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef:	1954	1953	1952
Number of carcasses inspected.....	7,868	4,628	3,627
Carcasses condemned	29	12	15
Portions condemned	585	331	327
Weight (lbs.) of carcasses and portions condemned	21,565	10,005	12,315
Veal:			
Number of carcasses inspected	1,193	1,733	1,457
Carcasses condemned	2	5	7
Portions condemned	24	29	29
Weight (lbs.) of carcasses and portions condemned	340	1,735	2,065
Mutton:			
Number of carcasses inspected	299	250	479
Carcasses condemned		1	3
Portions condemned	18	3	19
Weight (lbs.) of carcasses and portions condemned	95	80	210
Pork:			
Number of carcasses inspected	8,500	6,731	6,210
Carcasses condemned	8	7	17
Portions condemned	1,483	1,648	2,015
Weight (lbs.) of carcasses and portions condemned	21,410	25,630	35,640
Totals:			
Number of carcasses inspected.....	17,860	13,342	11,773
Carcasses condemned	39	25	42
Portions condemned	2,110	2,011	2,390
Weight (lbs.) of carcasses and portions condemned	43,410	37,450	50,230

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected	1	6	7
Percent .....	.01	.13	.19
Pork:			
Infected	73	967	1,351
Percent .....	.85	14.36	21.76

CHIEF CAUSES OF CONDEMNATION, 1954

Beef:	Carcasses	Portions	Weight (lbs.)
Abscess .....	.....	435	4,385
Actinomycosis	3	135	4,565
Septicaemia	12	.....	6,100
Uraemia.....	2	.....	1,010
Emaciation.....	6	.....	2,620
Tuberculosis	2	.....	900
Miscellaneous (adhesions, bruised, diphtheria, contamination, neoplasms).....	4	15	1,985
	<hr/> 29	<hr/> 585	<hr/> 21,565
Veal:			
Abscess .....	.....	20	110
Septicaemia	1	.....	100
Emaciation.....	1	.....	100
Miscellaneous (actinomycosis, adhesions, contamination) .....	.....	4	30
Mutton:			
Abscess .....	.....	2	10
Parasites .....	.....	16	85
Pork:			
Bruised .....	.....	26	395
Contamination .....	.....	162	2,430
Parasites .....	.....	26	140
Tuberculosis .....	.....	1,264	17,000
Septicaemia	3	.....	650
Emaciation.....	3	.....	360
Swine erysipelas	2	.....	340
Miscellaneous (abscess, adhesions) .....	.....	5	95

DISEASED ANIMALS

	1954	1953	1952
Beef	544	230	305
Veal	21	23	27
Mutton	18	4	22
Pork	1,073	1,336	1,537
Total amount of meat condemned (lbs).....	43,410	37,450	50,230

FOODSTUFFS CONDEMNED BY INSPECTORS

Fruits and vegetables .....	.....	.....	4
Meat	500	.....	72
Poultry	69	76	60
Cheese .....	.....	174	.....
Damaged by fire, flood, etc.	150	3,412	531
Sundries	25	.....	45
	<hr/> 744	<hr/> 3,662	<hr/> 712

MILK AND WATER REPORT

	1954		1953	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Inspections:				
Producer-distributors, raw milk	1	2	1	1
Producer-shippers, milk	493	939	488	927
Producer-shippers, cream	62	102		67
Producers—Contacts		289		326
Vehicles		493		339
Pasteurization Plants—Contacts		264		215
Pasteurization Plants	5	203	4	202
Others, Complaints, etc.		11		13
Licenses and Permits:				
Retail milk certificates issued		578		605
Dairy Licenses issued		545		505
Dairy Licenses refused		—		2
Dairy Licenses suspended temporarily		22		120
Permits issued to cow keepers in the city		98		112
Samples:				
Milk samples taken, retail		1,023		1,094
Milk samples taken, shippers		10,260		11,485
Cream samples taken		185		201
Special Milk samples		20		—
Chocolate Milk samples		88		97
Ice cream samples		36		48
TESTS—Milk:				
Standard plate counts		1,023		1,094
Coliform tests		240		269
Phosphatase tests		550		581
Methylene blue tests		10,260		11,485
Butterfat tests.....		64		104
Restaurants:				
Swab tests of utensils		1,348		1,681
Water:				
Standard plate counts		255		283
Coliform tests		227		269
Chlorine content checks		255		275
Raw river water plate counts		35		—
Swimming Pools:				
Plate counts		177		166
Coliform tests		177		166
Inspections		217		228
Student Days.....		109		—

